

Muzahir Abbas

AI Automation & Agentic Systems Engineer

Islamabad, Pakistan • +92-3125039952 • Born: 26/12/1996 • Nationality: Pakistan

muzahirabbas247@gmail.com • [LinkedIn](#) • [GitHub](#) • [Portfolio](#)



AI Automation Engineer with a B.S. in Computer Science, specializing in designing and deploying agentic systems and generative AI solutions. Proven ability to architect end-to-end automation workflows that reduce operational costs and increase efficiency by up to 40%. Expert in leveraging Python, LLMs (GPT/Gemini), and cloud-native applications to solve complex business challenges and build intelligent, autonomous systems.

Education

National University of Sciences and Technology (NUST)

2015 - 2020

Bachelor of Science (B.S.), Computer Science

Work Experience

Creative Technology Lead (AI & Automation)

04/2024 - Present

SparKE Production — Islamabad, Pakistan

- Led the integration of an AI-first production model, developing generative AI workflows that reduced asset creation time by 40% across a portfolio of 5 major projects.
- Engineered and deployed end-to-end automation for animation and rendering pipelines, eliminating key production bottlenecks and increasing team throughput by 25%.

Lead Technical Artist & Co-Founder

01/2021 - Present

SparKE Production — Islamabad, Pakistan

- Designed and implemented custom automation tools and procedural systems within Unreal Engine, improving workflow efficiency for a team of 5 artists and developers.
- Spearheaded the optimization of complex real-time rendering pipelines, successfully delivering over 10 high-fidelity cinematics under tight deadlines.

AI & Automation Developer (Freelance)

04/2024 - Present

Part Time & Freelancing — Remote

- Developed and delivered 7+ custom AI-powered SaaS applications and automation solutions for clients, directly improving business operations in marketing and sales.
- Engineered robust business process automations using Python, Zapier, and n8n, reducing clients' manual data entry tasks by an average of 15 hours per week.

Technology Lead & Developer

07/2025 - 09/2025

Eco Hope — Islamabad, Pakistan

- Designed and launched a full-stack donor management portal from the ground up, applying automation principles to reduce manual data handling by 50%.
- Led all IT operations and deployed the organization's core website and database systems, establishing a scalable and secure infrastructure for future growth.

Certifications

AI Agent Developer — Vanderbilt University (2025)

IBM RAG and Agentic AI — IBM (2025)

AI Agents and Agentic AI in Python Specialization — Vanderbilt University (2025)

Generative AI Automation Specialization — Vanderbilt University (2025)

Google IT Automation with Python — Google (2024)

Docker Foundations Professional Certificate — Docker, Inc (2024)

Projects

TwoFold: AI-Powered Relationship Growth Platform

Engineered a privacy-first, dual-agent coaching platform with Firebase and Cloud Run, demonstrating complex AI orchestration for personalized user goal-setting. ([Link](#))

AI-Powered Cinematographic Shot Generator

Developed a full-stack tool using Gemini/GPT-4 and Google Cloud to automate pre-production by converting narrative text into generative prompts and shot lists. ([Link](#))

Automated AI Job Application Prototype

Prototyped a Python-based automation system that leverages LLMs to generate and submit tailored job applications, demonstrating advanced workflow automation. ([Link](#))

Veritas Lens: AI-Powered Fact Checker

Built an AI-powered browser extension with Flask and Gemini AI to provide real-time critical analysis and fact-checking of online content. ([Link](#))

AI Career Copilot Web App

Created an AI-driven web app using Python and spaCy to analyze resumes against job descriptions, providing users with an ATS match score and optimization feedback. ([Link](#))

AI-Powered Serverless Social Media Scheduler

Designed a serverless AI automation tool on Cloudflare Workers to adapt and schedule social media content across multiple platforms, reducing manual posting time by 90%. ([Link](#))

Skills

AI & Agentic Systems

Generative AI • AI Agents • LLMs • RAG • Prompt Engineering • Business Process Automation • Workflow Automation • Computer Use Agents

Programming & Frameworks

Python • JavaScript • C++ • React.js • Flask • Node.js

Cloud & DevOps

Google Cloud Platform (GCP) • Docker • Cloudflare • REST APIs • Databases • n8n

Languages

English (Fluent) • German (Basic)